FIG. 1a

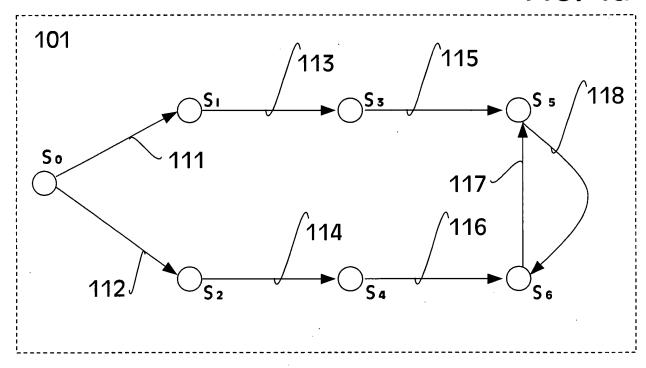
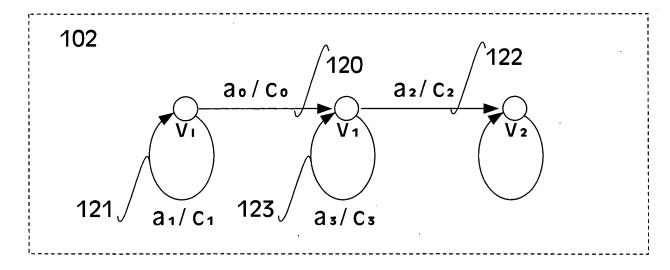
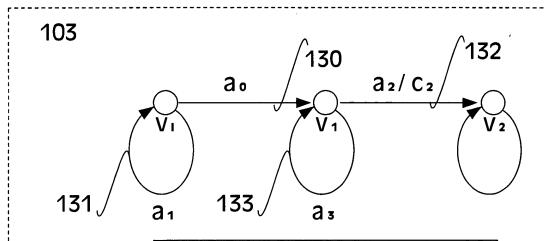


FIG. 1b





 $a_0 := NOT busy AND (input = B)$

 $a_1 := busy$

a₂:=NOT stall

a:=stall

 C_2 :=(output = F(B))

FIG. 2a

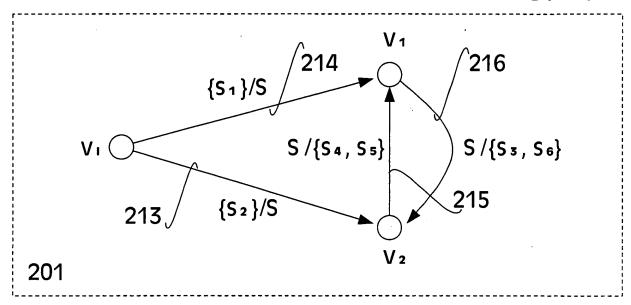


FIG. 2b

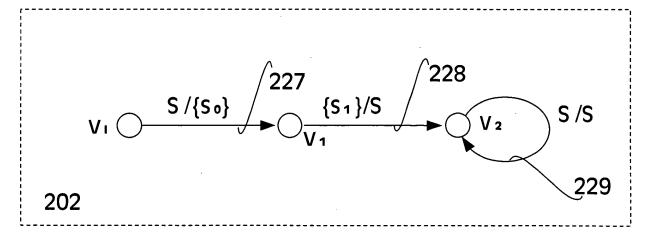


FIG. 3a

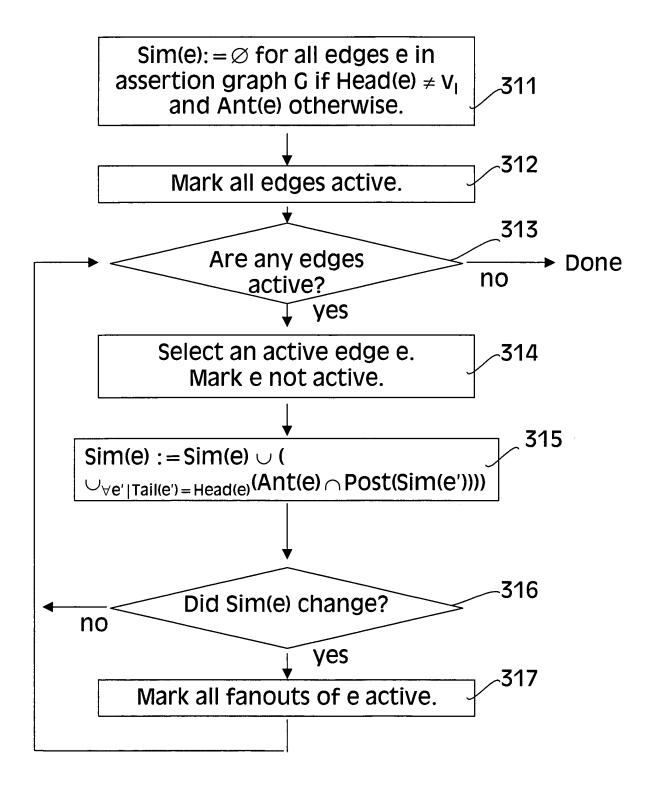


FIG. 3b

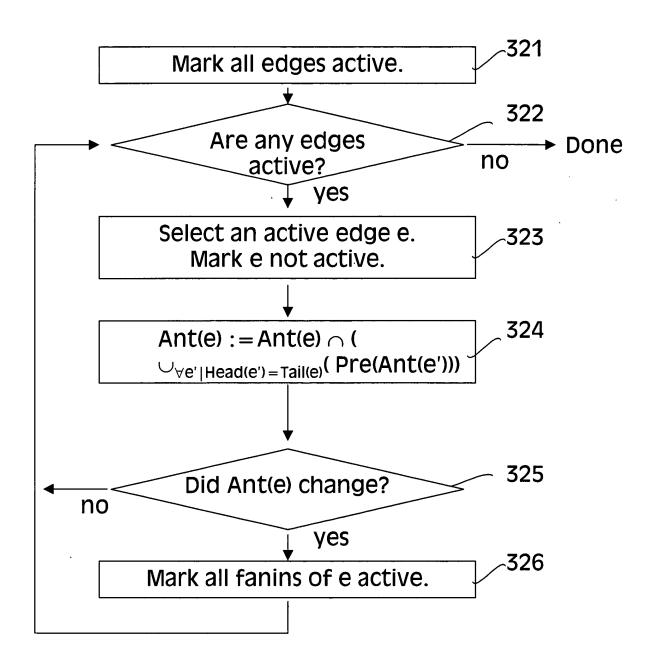


FIG. 4 V 1 ²414 {S₁} V₁(Ø Ø $\{S_2\}$ 413 V 2 ²424 426 {S₁} **{S4**} V₁({S **3**} 425 $\{S_2\}$ 423 V 2 434 ²436 {S₁} {S4, S5} {S3, S6} VIC 435 $\{S_2\}$ 433 **V** 2 V 1 444 446 {S₁} {S4, S5} {S3, S6} V1(445 $\{S_2\}$ 443,

V 2

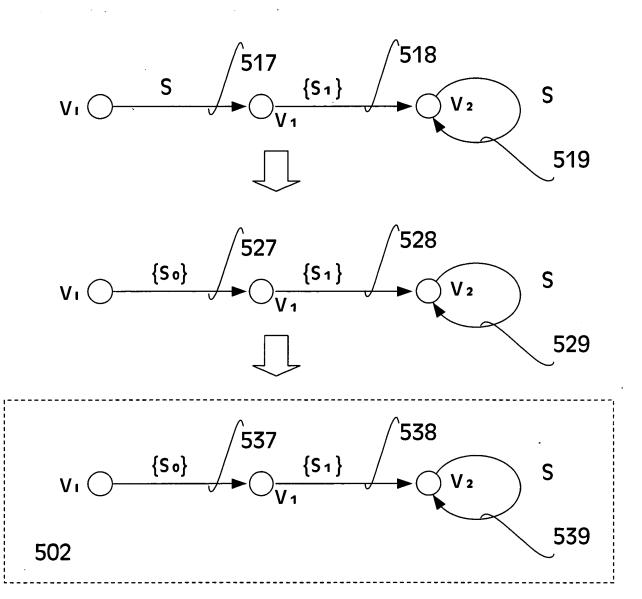


FIG. 5b

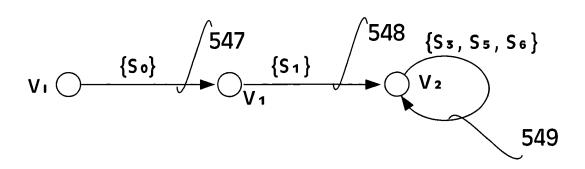


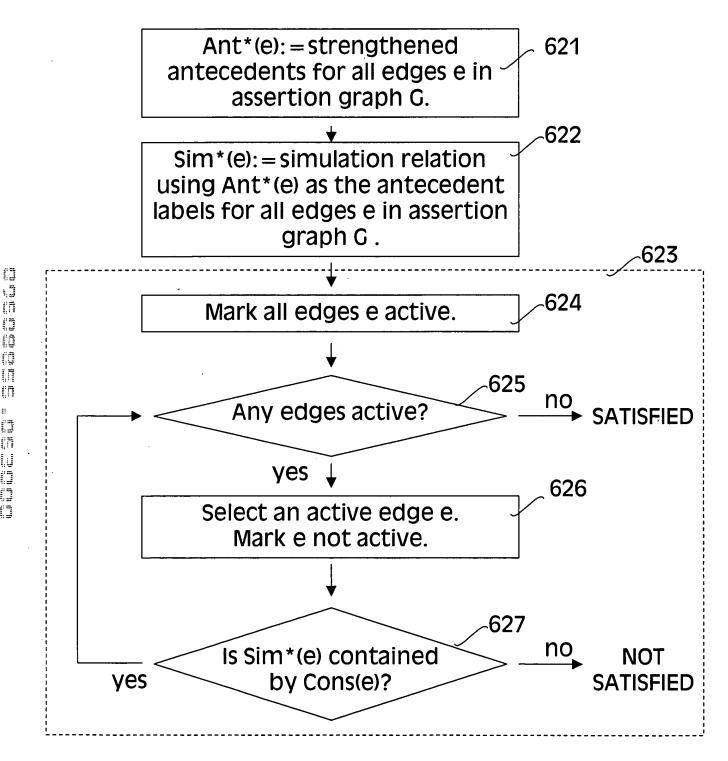
FIG. 6a

Strengthen antecedents for all edges in assertion graph G.

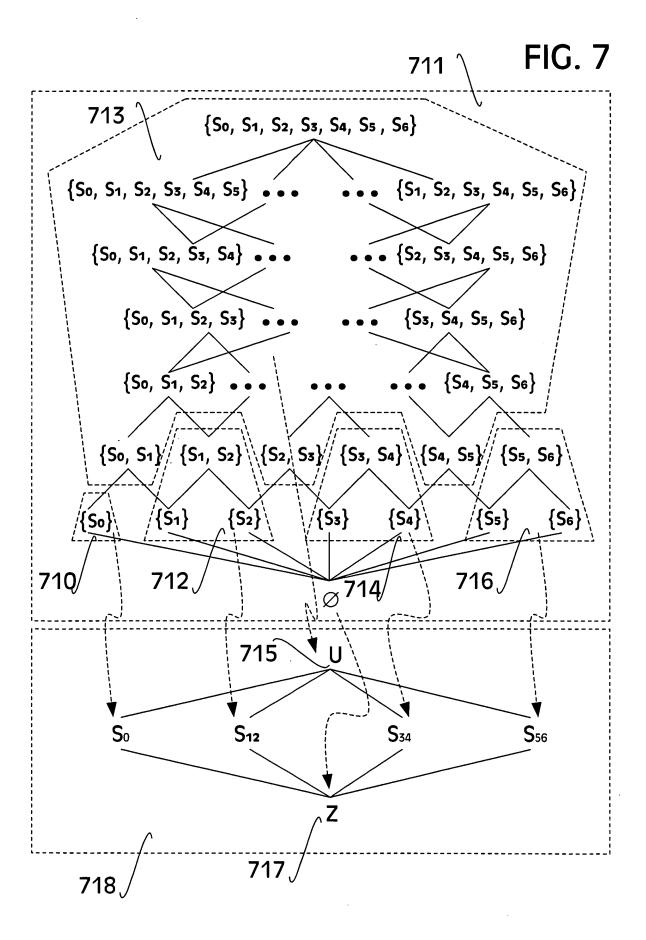
Compute simulation relation using the strengthened antecedents for all edges in assertion graph G.

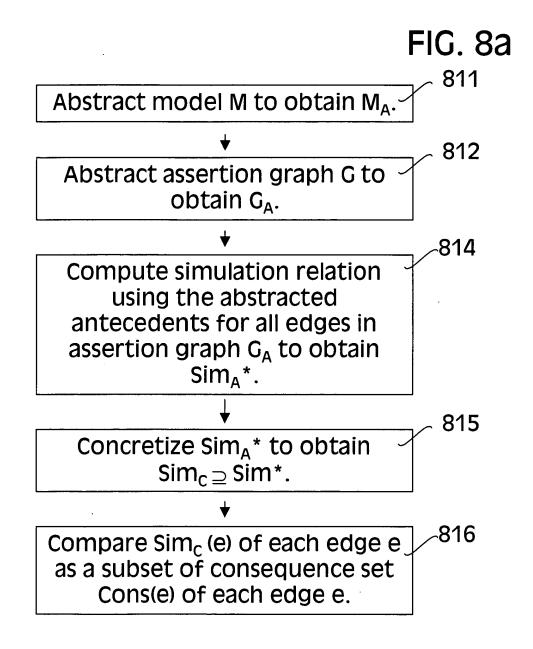
Compare simulation relation set of each edge as a subset of consequence set of each edge.

FIG. 6b



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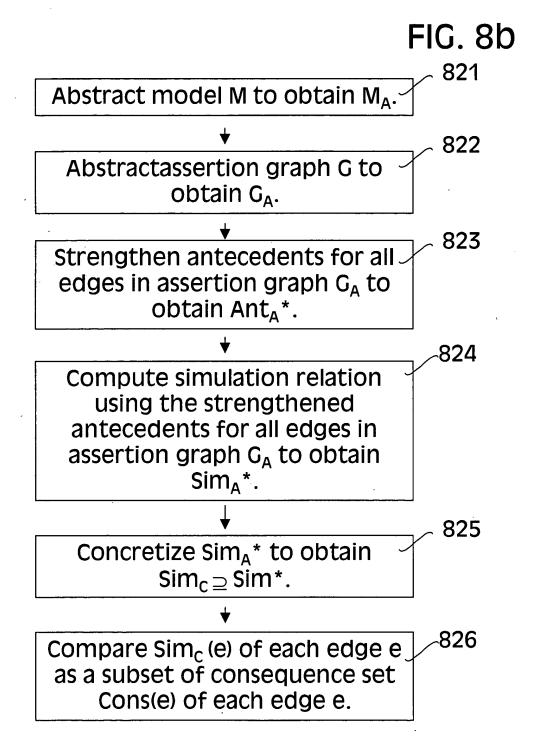


FIG. 8c

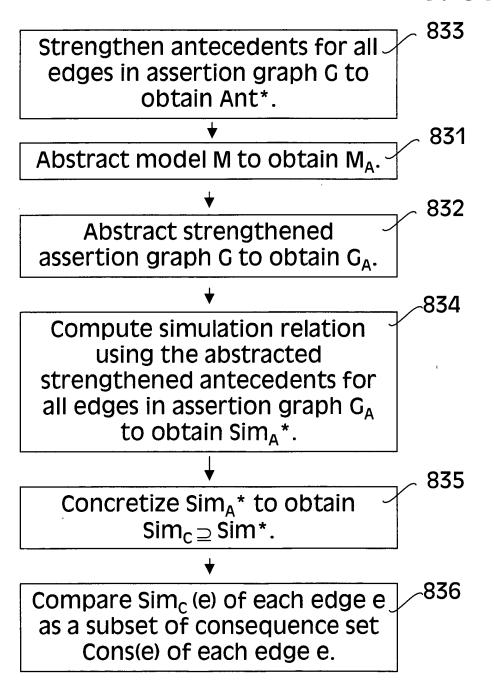


FIG. 9

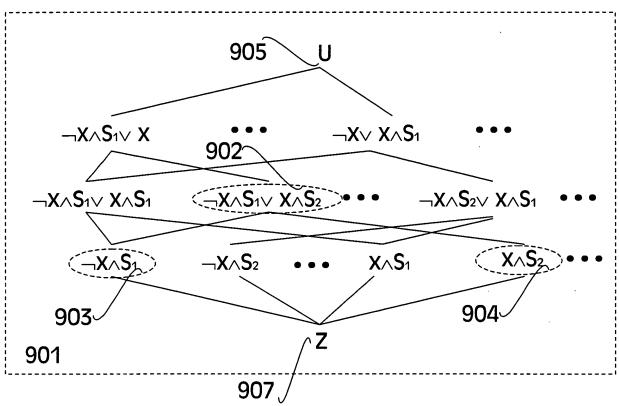
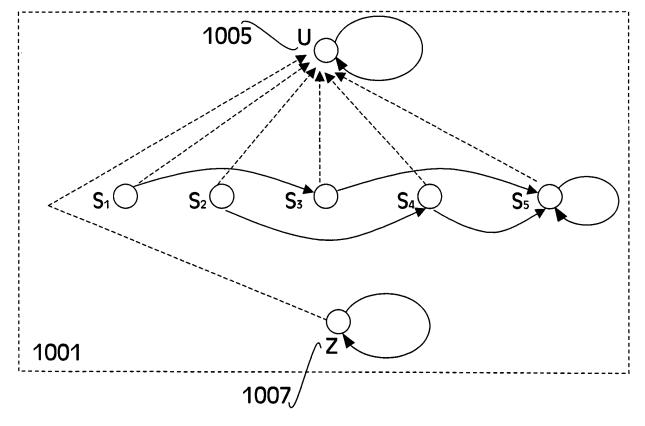


FIG. 10



fact that the time and the

FIG. 11a

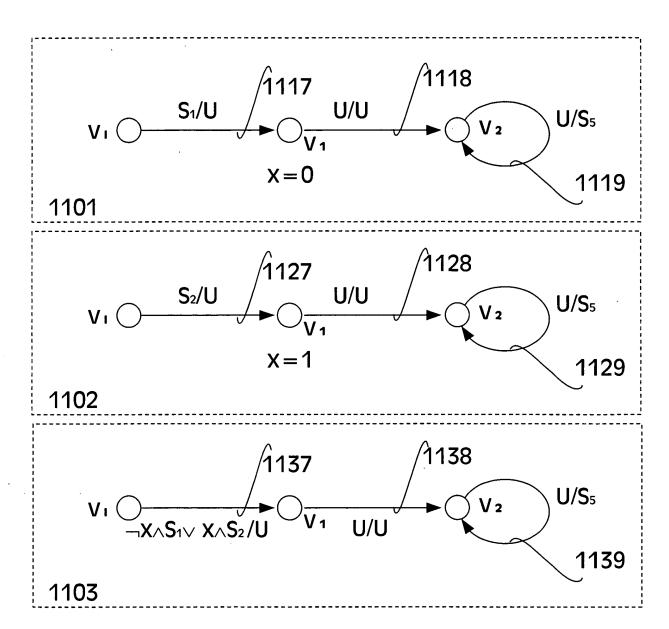


FIG. 11b

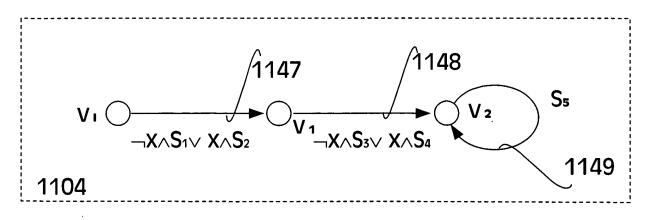


FIG. 12a

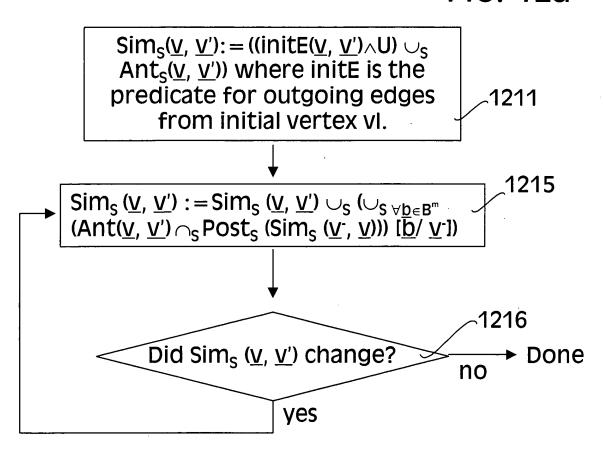


FIG. 12b

